Sensorex®

S8000 Series Modular pH, ORP & Conductivity Sensors

SAVES TIME!

- Quick-Change Modular Design
- One Electrode for all Installations
- In Stock for Rapid Delivery

SAVES MONEY!

- Optional Electronic Interfaces for Direct PLC Input
- ERP Reference gives longer Electrode Life

Sensorex® | 11751 Markon Drive | Garden Grove, CA 92841 | P 714-895-4344 | F 714-894-4839 | www.Sensorex.com

S8000 Series Modular Sensors

- Modular Flat Surface pH/ORP Electrodes
- Configurable for In-line or Submersion Use
- Optional plug-in Electronic Interfaces
- Enhanced Sensorex ERP Technology®
- REDOX, HF and Low Ionic Solution Options

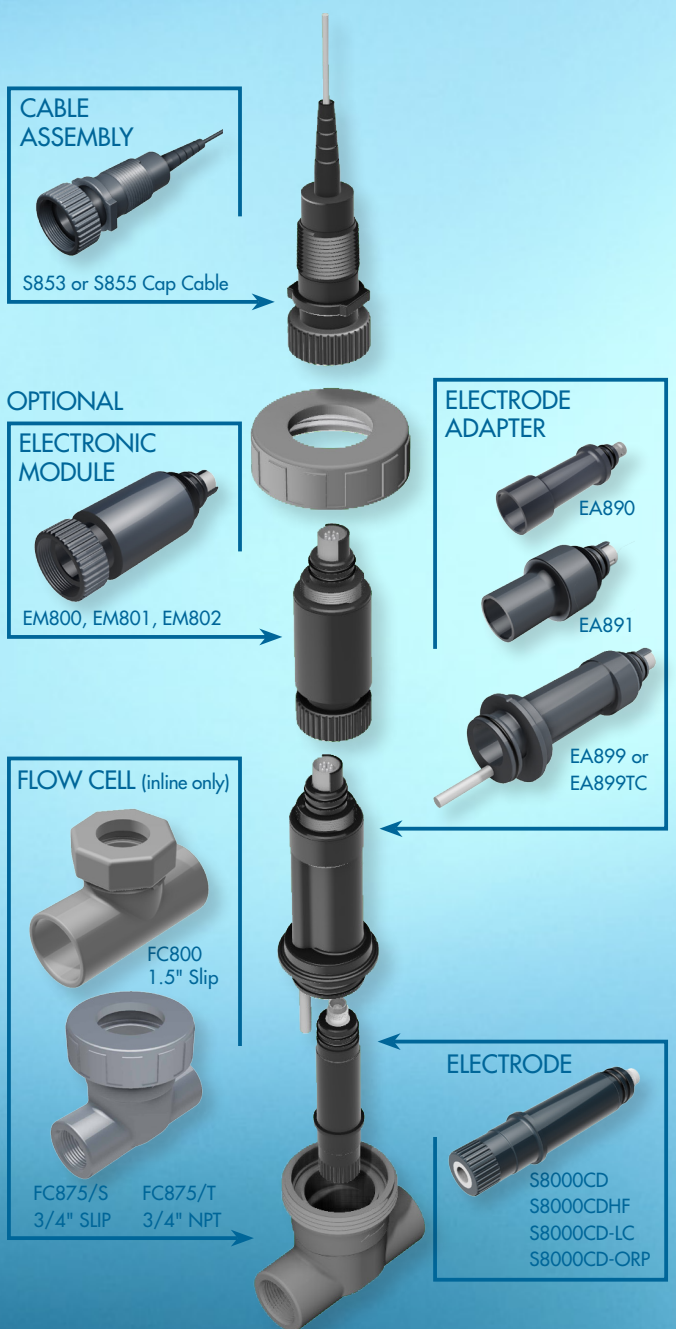
For applications which require more than a direct electrode output, plug-in electronic modules are available.

a. Battery powered unity gain module EM800 - extends signal up to 1000 ft.

b. Battery powered differential module EM801 - prevents ground loops

c. Blind 2 wire 4-20 mA transmitter EM802/pH or EM802/ORP - direct PLC interface

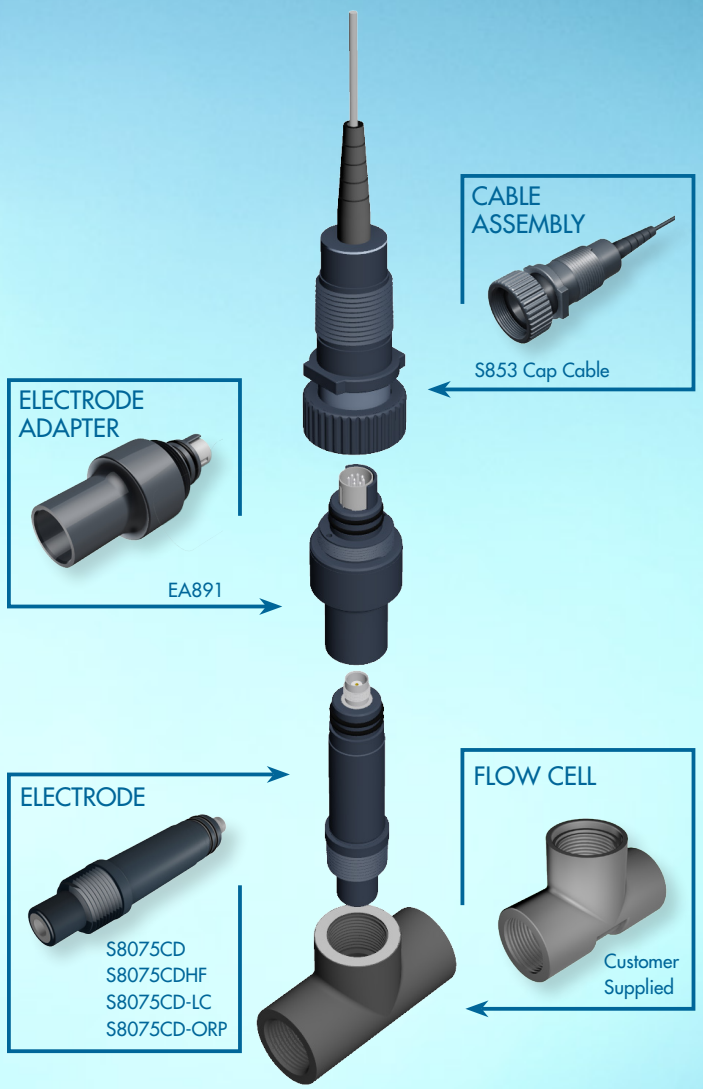
S8000 IN-LINE MODULAR **pH/ORP** SYSTEM



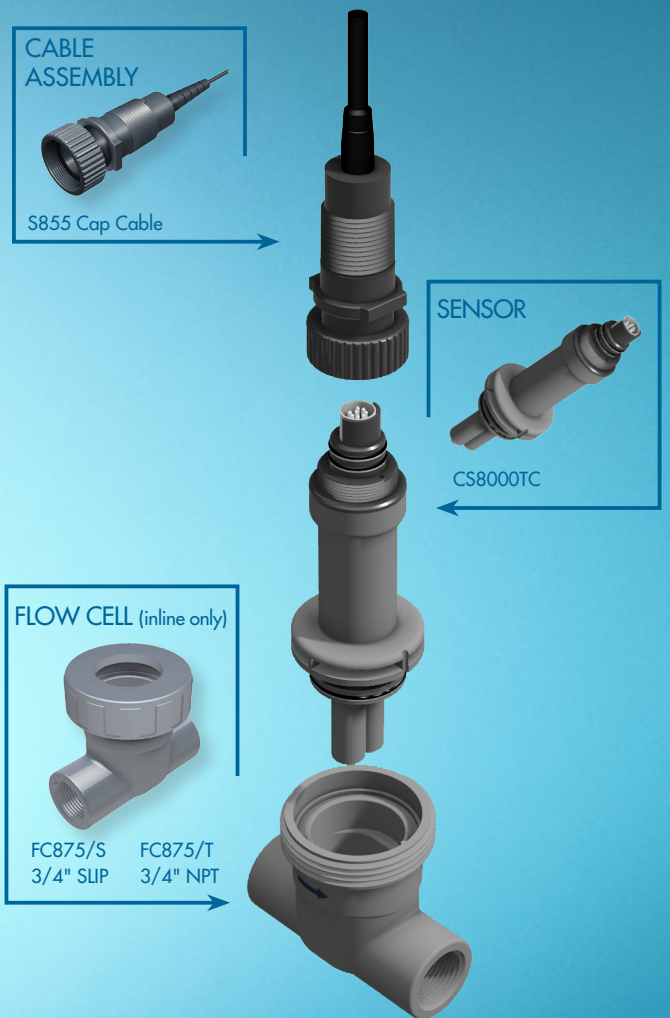
S8000 SUBMERSION MODULAR **pH/ORP** SYSTEM

Check out our line of pH & ORP transmitters and controllers at: www.sensorex.com/products/more/ph_electrode_transmitters

S8000 MODULAR **pH/ORP** SYSTEM - USE YOUR OWN TEE



CS8000 IN-LINE MODULAR **CONDUCTIVITY** SYSTEM



SPECIFICATIONS - S8000 PH/ORP ELECTRODES

pH Range:	S8000CD, S8075CD -- 0-14 (0-12.3 with low sodium ion error) S8000CDHF, S8075CDHF -- 0-12pH
ORP Range:	-1000 to + 1000mV
Temperature Range:	S8000CD, S8075CD 0-100°C (32-212°F), de-rated under pressure (0-80°C when mounted in flow cells FC800, FC875/S. FC875/T)
Pressure Range:	0-100 psig (7.5 bar), de-rated under temperature
Reference Type:	Ag/AgCl, Double Junction, Sensorex ERP™
Optional Models:	Add"HF" for HF resistant pH, Add "-LC" for low conductivity, 50uS/c

SPECIFICATIONS - CS8000TC CONDUCTIVITY ELECTRODES

Cell Constant:	k=1
Temperature Sensor:	Options = PT1000 RTD, PT100 RTD, 10K NTC, 30K NTC
Temperature Range:	0-60°C(140°F)when mounted in flow cells FC800, FC875/S. FC875/T
Pressure Range:	0-100 psig (7.5 bar)

- Modular Flat Surface Conductivity Electrodes
- Custom Flow Cell for In-Line Use
- Flat Surface Design Resists Coating and Fouling
- Integrated Temperature Sensor for more Accurate Measurements

Check out our line of Conductivity transmitters and controllers at: www.sensorex.com/products/more/productivity_sensor_transmitters

ORDERING INFORMATION S8000 PH/ORP SYSTEMS

SUBMERSION pH WITHOUT TEMP COMP.

ORDER 3 ITEMS	PART NUMBER	DESCRIPTION
1. pH electrode cartridge	S8000CD	S8000 Series pH electrode cartridge.
2. Electrode adapter	EA891	Submersion adapter for S8000 (No ATC)
3. Cable assembly	S853/10/"CON"*	S8000 cable, coax only for non ATC systems, 10ft
Cable assembly, (alternative)	S853/20/"CON"*	S8000 cable, coax only for non ATC systems, 20ft

SUBMERSION pH WITH TEMP COMP.

ORDER 3 ITEMS	PART NUMBER	DESCRIPTION
1. pH electrode cartridge	S8000CD	S8000 Series pH electrode cartridge.
2. Electrode adapter	EA899TC/"TC"†	Submersion pH adapter for S8000 (with ATC)
3. Cable assembly	S855/10/"CON"/"TC CON"**	S8000 cable, coax only for non ATC systems, 10ft
Cable assembly, (alternative)	S853/20/"CON"/TC CON"*	S8000 cable, coax only for non ATC systems, 20ft

† requires temperature compensation code

* pH or ORP connector

** temperature compensation connector

SUBMERSION ORP

ORDER 3 ITEMS	PART NUMBER	DESCRIPTION
1. ORP electrode cartridge	S8000CD-ORP	S8000 Series ORP electrode cartridge.
2. Electrode adapter	EA891	Submersion adapter for S8000 (No ATC)
3. Cable assembly	S853/10/"CON"*	S8000 cable, coax only for non ATC systems, 10ft
Cable assembly, (alternative)	S853/20/"CON"*	S8000 cable, coax only for non ATC systems, 20ft

IN-LINE pH (SENSOREX FLOW CELL) – NO TEMP COMP

ORDER 4 ITEMS	PART NUMBER	DESCRIPTION
1. pH electrode cartridge	S8000CD	S8000 Series pH electrode cartridge.
2. Electrode adapter	EA899	In-line/Submersion adapter for S8000 (No ATC)
3. Cable assembly	S853/10/"CON"*	S8000 cable, coax only for ATC systems, 10ft
Cable assembly, (alternative)	S853/20/"CON"*	S8000 cable, coax only for ATC systems, 20ft
4. Flow cell	FC800 (1.5")	Flow cell, Sensorex 1.5" socket connection
Flow cell, (alternative)	FC875/S	Flow cell, Sensorex, ¾" socket connection
Flow cell, (alternative)	FC875/T	Flow cell, Sensorex, ¾" threaded connection

IN-LINE pH (SENSOREX FLOW CELL) – WITH TEMP COMP

ORDER 4 ITEMS	PART NUMBER	DESCRIPTION
1. pH electrode cartridge	S8000CD	S8000 Series pH electrode cartridge.
2. Electrode adapter	EA899TC/"TC"†	In-Line/Submersion adapter for S8000 (with ATC)
3. Cable assembly	S855/10/"CON"*/"TC CON"**	S8000 cable, coax only for non ATC systems, 10ft
Cable assembly, (alternative)	S855/20/"CON"*/"TC CON"**	S8000 cable, coax only for non ATC systems, 20ft
4. Flow cell (choose 1 only)	FC800 (1.5")	Flow cell, Sensorex 1.5" socket connection
Flow cell, (alternative)	FC875/S	Flow cell, Sensorex, ¾" socket connection
Flow cell, (alternative)	FC875/T	Flow cell, Sensorex, ¾" threaded connection

IN-LINE pH (USE YOUR OWN ¾" NPT TEE) – NO TEMP COMP

ORDER 3 ITEMS	PART NUMBER	DESCRIPTION
1. pH electrode cartridge	S8075CD	S8000 Series pH electrode cartridge with integrated ¾ NPT threads.
2. Electrode adapter	EA891	Electrode adapter no ATC
3. Cable assembly	S853/10/"CON"*	S8000 cable, coax only for non ATC systems, 10ft
Cable assembly, (alternative)	S853/20/"CON"*	S8000 cable, coax only for non ATC systems, 20ft

OPTIONAL ELECTRONIC MODULES

ORDER 4 ITEMS	PART NUMBER	DESCRIPTION
1. Unity gain amplifier	EM800	Unity-gain battery-powered pH/ORP amplifier. Allows for signal transmission up to 1000ft (300mtr)
2. Differential amplifier	EM801	Differential battery-powered pH/ORP amplifier. Allows for signal transmission up to 1000ft (300mtr), combats solution ground loops. Requires EA899 or EA899TC
3. 4-20mA blind pH transmitter	EM802-PH	Blind 4-20mA pH transmitter. 0-14 pH = 4-20mA. Requires S853 cable and 24V DC power supply (customer supplied)
4. 4-20mA blind ORP transmitter	EM802-ORP	Blind 4-20mA ORP transmitter. -1000mV to + 1000mV = 4-20mA. Requires S853 cable and 24V DC power supply (customer supplied)

ORDERING INFORMATION CS8000 CONDUCTIVITY SYSTEMS

IN-LINE CONDUCTIVITY (SENSOR FLOW CELL)

ORDER 3 ITEMS	PART NUMBER	DESCRIPTION
1. Conductivity sensor cartridge	CS8000TC†	CS8000 Series conductivity sensor cartridge.
2. Cable assembly	S855/10/"CON"*	CS8000 cable, coax only for non ATC systems, 10ft
Cable assembly, (alternative)	S855/20/"CON"*	CS8000 cable, coax only for non ATC systems, 20ft
3. Flow cell (choose 1 only)	FC875/S	Flow cell, Sensorex, ¾" socket connection
Flow cell, (alternative)	FC875/T	Flow cell, Sensorex, ¾" threaded

Changing the way the world measures water quality